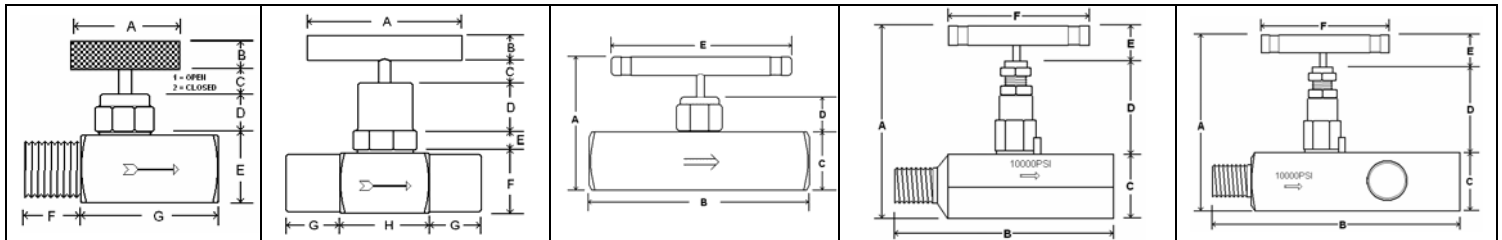
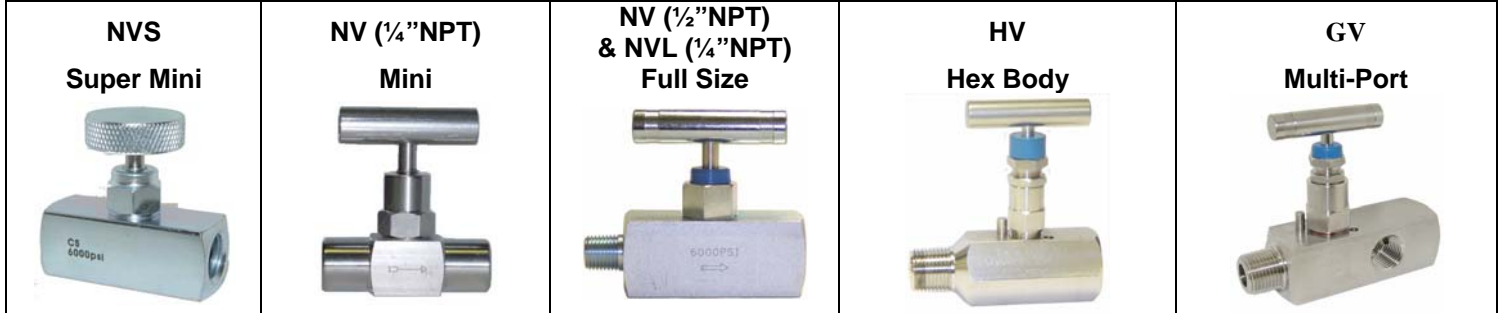


	<p><b>1/4" NPT "NVS" Super –Mini Valves</b></p> <p>1/4" NPT Carbon Steel Body, Round 'Thumb Wheel' Handle 6,000 PSI Rated Soft Seat, for bubble tight shut-off Male x Female, Female x Female or Male x Male</p>
	<p><b>1/4" NPT "NV" Mini Valves</b></p> <p>Carbon Steel or Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat or 10,000 PSI Hard Seat Male x Female, Female x Female or Male x Male</p>
	<p><b>1/4" NPT 'NVL' or 1/2" NPT 'NV' Full Size Needle Valves</b></p> <p>Carbon Steel or Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat or 10,000 PSI Hard Seat Male x Female or Female x Female</p>
	<p><b>1/4" or 1/2" NPT Hex Body Needle Valves</b></p> <p>Carbon Steel or Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat or 10,000 PSI Hard Seat Male x Female or Female x Female</p>
	<p><b>1/2" NPT Multi-Port Gauge Valves</b></p> <p>Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat or 10,000 PSI Hard Seat 1/2" NPT Male inlet x (3) 1/2" NPT Female Outlet</p>
	<p><b>1/4" or 1/2" NPT Block and Bleed Valves</b></p> <p>Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat or 10,000 PSI Hard Seat 1/4" NPT or 1/2" NPT Male inlet x Female</p>
	<p><b>1/2" NPT Long Body Valves</b></p> <p>Stainless Steel Body, Tee Handle 6,000 PSI Soft Seat 1/2" NPT Male x Female</p>
	<p><b>1/2" NPT Accessory Bleed Valves</b></p> <p>Stainless Steel Body, Tee Handle Use with Multiport Gauge valves to make block and bleed Valves 6,000 PSI or 10,000 PSI</p>



# PROCESS NEEDLE VALVES

Our high quality instrumentation grade needle valves are designed for heavy-duty process applications or other industrial applications that require high-pressure carbon steel or stainless steel shut-off valves. Our valves are available hard seat (10,000 psi) or soft seat (6,000 psi), 1/4" or 1/2" npt, straight or angle pattern, male x male, female x female or male x female.



	Inch	mm		Inch	mm		Inch	mm		Inch	mm		Inch	mm
A	1.02"	26mm	A	1.81"	46mm	A	2.67"	68mm	A	3.65"	93mm	A	3.68"	93mm
B	.32"	8 mm	B	.50"	13mm	B	2.64"	67mm	B	3.23"	82mm	B	4.46"	113mm
C1	.40"	10mm	C	.17"	4 mm	C	1.12"	29mm	C	1.26"	32mm	C	1.26"	32mm
C2	.20"	6 mm	D	.44"	11mm	D	.73"	19mm	D	1.65"	42mm	D	1.61"	41mm
D	.46"	12mm	E	.34"	9 mm	E	2.25"	57mm	E	.75"	19mm	E	.82"	21mm
E	.75"	19mm	F	.75"	19mm				F	2.25"	57mm	F	2.25"	57mm
F	.52"	13mm	G	.61"	15mm									
G	1.31"	33mm	H	1.04"	26mm									

## Part Number System:

### Valve Designation

- NVS = "Super Mini" Style
- NV = Standard Size
- NVL = Full Size Body 1/4"NPT
- HV = Hex Body Valve
- GV = Multi-Port Gauge Valve

### Body Material

- CS = Carbon Steel
- SS = 316 SS

### Connection Size

- 1/4 = 1/4"NPT
- 3/8 = 3/8"NPT
- 1/2 = 1/2"NPT

### Outlet Connection

- F = Female
- M = Male

### Inlet Connection

- F = Female
- M = Male

### Body Pattern

- 180 = Straight Pattern
- 90 = Angle Pattern

### Seat / Pressure Rating

- GS = Gas Service / 6000 PSI
- HS = Hydraulic Service / 10000 PSI